

A HARDWARE SUPPORT SYSTEM FOR ACCELERATED DISK I/O

ABSTRACT OF THE DISCLOSURE

5 A hardware support system for implementing accelerated disk I/O for a
computer system. The system includes a bus interface for interfacing with a
processor and a system memory of the computer system, a disk I/O engine
coupled to the bus interface, and a device interface coupled to the disk I/O
engine for interfacing the disk I/O engine with a disk drive. The disk I/O
engine is configured to cause a start up of the disk drive upon receiving a disk
10 start up command from the processor. The disk I/O engine is further
configured to execute a disk transaction by processing the disk transaction
information from a bypass register coupled to the disk I/O engine.